Automatic Optical Inter-Alignment of Two Linear Arrangements

ABSTRACT OF THE DISCLOSURE:

A technique for dynamic optical alignment precisely adjusts the relative position of a first linear arrangement with respect to a second linear arrangement by correcting rotational misalignment about the vertical axis, establishing an optimal displacement therebetween along an optical axis, correcting rotational misalignment about the optical axis, and setting an optimum displacement therebetween on the vertical axis. The technique is carried out semiautomatically using a computer to operate actuators to control movement of the first linear arrangement, while the second linear arrangement is fixedly disposed on a substrate. When optimal alignment has been established, the first linear arrangement is fixedly attached to the substrate.